CLAIMS

- A method of producing aesthetic color print output, comprising:
 modifying a first error value to produce a first modified error value; and
 basing a color plane firing decision on a comparison of the first
 modified error value and a second error value.
 - 2. The method of claim 1, wherein modifying comprises:
 using a function to derive an error modification value; and
 multiplying the error modification value with the first error value in
 response to a value in a bitmap.
 - 3. The method of claim 2, wherein an input value to the function is a minority color plane value.
- The method of claim 1, wherein modifying comprises multiplying the first error value and the second error value by a fraction derived from a matrix.
- 5. The method of claim 1, additionally comprising distributing 20 fractional portions of the first error value and the second error value to locations on a first color plane and a second color plane, respectively.
 - 6. The method of claim 5 wherein distributing comprises using a weight format to determine the fractional portions.

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- 7. The method of claim 6 additionally comprising selecting the weight format based on a magnitude of a first color plane value.
 - **8.** A method of processing color plane information, comprising:

5 modifying first and second error values to produce first and second modified error values, respectively;

basing a color plane firing decision on a comparison of the first modified error value and the second modified error value; and

distributing portions of the first and second error values to adjacent pixel locations on first and second color planes, respectively.

- 9. The method of claim 8, wherein modifying comprises:
 using a function to derive an error modification value; and
 multiplying the error modification value with the first error value in
 response to a value in a bitmap.
- 10. The method of claim 9, wherein an input value to the function is a minority color plane value.
- 20 **11.** The method of claim 8, wherein modifying comprises multiplying the first error value and the second error value by a number derived from a matrix.

	12.	The	method	of	claim	8,	wherein	modifying	comprises
multiplying the first error value and the second error value by a number derived									
from a matrix if the first and second color plane values are greater than the									
matrix value and greater than the inverse matrix value, respectively.									

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- 13. The method of claim 8 wherein distributing comprises using a weight format to determine the portions.
- 14. The method of claim 13 additionally comprising selecting theweight format based on a magnitude of a first color plane value.
 - 15. A system for producing color print output, comprising:

a halftoning module to calculate error, to calculate modified error and to base a firing decision on the modified error; and

an error format by which the error is distributed.

16. A system, comprising:

a halftoning module to calculate error, to calculate a modified error and to base a firing decision on the modified error;

an error modification function to provide a number by which error is multiplied to yield modified error; and

an error format by which the error is distributed.

17. The system of claim 16, additionally comprising a bitmap to25 which reference may be made to determine to which color plane the error modification function is applied.

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- 18. The system of claim 16, additionally comprising a matrix to provide numbers by which error is multiplied to yield modified error.
- 19. A processor readable medium having processor executable5 instructions thereon which, when executed by a processor cause the processor to:

modify first and second error values to produce first and second modified error values, respectively;

base a color plane firing decision on a comparison of the first and second modified error values; and

distribute the first and second error values to adjacent pixel locations on a first and a second color plane, respectively.

20. The processor readable medium of claim 19, wherein the instructions also cause the processor to:

use a function to derive an error modification value; and multiply the error modification value with the first error value in response to a positive value in a bitmap.

21. The processor readable medium of claim 20, wherein the instructions also cause the processor to use a minority color plane value as an input value to the function.

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22. The processor readable medium of claim 19, wherein the instructions also cause the processor to:

select, based on the value of a first and a second color value, first and second weight formats, respectively, to distribute the first and second error values, respectively, to adjacent pixel locations on the first and second color planes, respectively.

- 23. The processor readable medium of claim 22, wherein the instructions also cause the processor to select the first and second weight formats based on a magnitude of the first and second modified error values, respectively.
- 24. The processor readable medium of claim 19, wherein the instructions also cause the processor to use a matrix to modify the first error value and the second error value.
- 25. The processor readable medium of claim 19, wherein the instructions also cause the processor to multiply the first and second error values by a number derived from a matrix if a first color plane value and a second color plane value are greater than the matrix value and greater than the inverse matrix value, respectively.